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Appl. No. 10/764,200
Amdt Dated Jan. 4, 2008
Reply to Office Action Oct 26, 2007

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Previously presented): A mounting device for mounting fans to an electronic device chassis, the mounting device comprising:

a tray adapted to be attached to the chassis, the tray comprising a plurality of pairs of mounting sections;

a plurality of brackets for mounting the fans therein, each of the brackets comprising a closed end for supporting a corresponding fan thereon and an open end, the closed end being fixed with a corresponding pair of mounting sections; and

a plurality of fasteners locking open ends of the brackets respectively to thereby cause the brackets to respectively firmly sandwich the fans therein[.];

wherein each of the brackets is U-shaped and comprises a bottom plate at the closed end and a pair of side plates extending upwardly from opposite side edges of the bottom plate, and two pairs of coaxial mounting holes are defined in the side plates adjacent the closed end;

wherein each pair of mounting sections of the tray has a contour corresponding to a contour of an outlet of the corresponding fan and defines two pairs of coaxial mounting holes; and

wherein a pair of bolts is extended through the mounting holes to mount said bracket to the tray.

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Claim 2 (canceled)

Claim 3 (Previously presented): The mounting device as claimed in claim 1, wherein each of the side plates defines a locking hole adjacent said open end, and each of the fasteners comprises a pair of locking ends engaging in the locking holes of the corresponding bracket.

Claim 4 (Previously presented): The mounting device as claimed in claim 1, wherein each side plate of the bracket defines an outlet corresponding to an outlet of a corresponding fan, a core is defined in a center of the outlet, and a plurality of ribs is arranged in the outlet extending between the core and peripheral portions of the side plate surrounding the outlet.

Claim 5 (original): The mounting as claimed in claim 4, wherein a pair of fingers is formed on the core and an upper portion of one side plate for holding leads of the fan.

Claim 6 (canceled)

Claim 7 (canceled)

Claim 8 (Previously presented): A mounting device assembly comprising:
a chassis providing a plurality of electronic components therein;

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a plurality of fans for improving heat dissipation of the electronic components; and

a mounting device for mounting the fans to the chassis, the mounting device comprising:

a tray mounted in the chassis and comprising a bottom plate and a pair of sidewalls extending perpendicularly from opposite longitudinal side edges of the bottom plate; and

a plurality of brackets each mounting a corresponding fan therein, each of the brackets being U-shaped and comprising a bottom plate for supporting the corresponding fan thereon and a pair of side plates extending integratedly and upwardly from opposite longitudinal side edges of the bottom plate of the each bracket for covering front and rear sides of the corresponding fan;

wherein the brackets having the fans therein are partly received in the tray, a plurality of bolts are extended through the sidewalls of the tray and the side plates of the brackets to mount the brackets to the tray, a plurality of fasteners are extended through the bottom plate of the tray to engage with the chassis.

Claim 9 (Previously presented): The mounting device assembly as claimed in claim 8, wherein each of the brackets comprises a closed end formed by the bottom plate thereof and an open end opposing to the closed end, the corresponding fan is inserted into each of the brackets from the open end.

Claim 10 (canceled)

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Claim 11 (original): The mounting device assembly as claimed in claim 9, wherein the mounting device further comprises a plurality of fasteners locking open ends of the brackets respectively to thereby sandwich the fans in the brackets respectively.

Claim 12 (canceled)

Claim 13 (Previously presented): The mounting device assembly as claimed in claim 11, wherein each of the side plates defines a locking hole adjacent said open end, and each of the fasteners comprises a pair of locking ends engaging in the locking holes of a corresponding bracket.

Claim 14 (Previously presented): The mounting device assembly as claimed in claim 11, wherein each of the fans defines a pair of mounting apertures, and each of the side plates forms a post in an inner side thereof, the post being received in a corresponding mounting aperture to thereby position the fan in the corresponding bracket.

Claim 15 (Previously presented): The mounting device assembly as claimed in claim 11, wherein each fan defines an outlet, each of the side plates defines an outlet having a contour corresponding to a contour of the outlet of a corresponding fan, and the mounting sections of the tray each having a contour corresponding to a contour of the outlet of a corresponding fan.

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Claim 16 (Currently amended): A mounting device assembly comprising:

a plurality of fans vertically side by side arranged with one another along a longitudinal direction, each of said fans defining a first rectangular dimension in a lateral direction perpendicular to said longitudinal direction, each of said fans generating air flow along said lateral direction;

a plurality of bracket units vertically side by side arranged with one another along said longitudinal direction, each of said bracket units receiving one corresponding fan therein and defining a second rectangular dimension in said lateral direction and in compliance with said first rectangular dimension, and further defining a U-shaped cross-sectional configuration in said longitudinal direction and in compliance with a thickness of said corresponding fan, each of said bracket units defining opposite outlets in opposite side plates thereof in said lateral direction;

an elongated unitary tray having a U-shaped cross-sectional configuration defining a thickness therebetween in compliance with that of the U-shaped cross-sectional configuration of the each of the bracket units, wherein at least bottom portions of said plurality of bracket units are receivably secured to the tray;

a plurality of bolts extended through said tray and the said plates of the said bracket units along said lateral direction to mount said bracket units to said tray; and

a plurality of fastening devices securing each of the bracket units and the corresponding fan together;

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wherein each of the bracket units further comprises a supporting tab bent from a top edge of one of the side plates thereof, the supporting tab being adapted for installing an indicator light thereon.

Claim 17 (canceled)

Claim 18 (canceled)

Claim 19 (Previously presented): The assembly as claimed in claim 16, wherein said bracket units and said tray are discrete from each other.

Claim 20 (original): The assembly as claimed in claim 16, wherein the bracket units are discrete from one another.

Claim 21 (Previously presented): The assembly as claimed in claim 1, wherein each of the brackets further comprises a supporting tab bent from a top edge of one of the side plates thereof, the supporting tab being adapted for installing an indicator light thereon.

Claim 22 (Previously presented): The assembly as claimed in claim 8, wherein each of the brackets further comprises a supporting tab bent from a top edge of one of the side plates thereof, the supporting tab being adapted for installing an indicator light thereon.